Alignment **.msf** am 4.2.2003

Visser Sequence X58453 compared to Seq. ID No.1 (AX 349063) of WO 02/02785

ClustalW 1.8 Parameters →fast pairwise alignment followed by multiple alignment	MView Parameters (output)
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ruler: on coloring: identity threshold: 80 width: 50 consensus: off consensus coloring: identity consensus threshold: 100 consensus ignore: singleton consensus gaps: on consensus ref: 1 colormap: D_plain colorfile: -colorfile D_plain.map cons. colormap: -con_colormap D_plain	

Identities computed with respect to: (1) Visser-Seq

Colored by: identity + property

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                    1 [        .         .         .         .         : 50
Visser-Seq 100.0%     AAGCTTTAACGAGATAGAAAATTATAATACTCCGTTTTGTTCATTACTTA
WO          45.5%     --------------------GTTTGGTTTCGCTGTTTT--TCATTTCCTT

                   51         .         .         .         .         1 100
Visser-Seq 100.0%     ACAAATGCAACAGTATCTTGTACCAAATCCTCTC-TCTTTTCAAACTTTT
WO          45.5%     TCTTCTTAAGGGGTAATACCAATGACAGTAATTCATATTGTGTAACAGTG

                  101         .         .         .         .         : 150
Visser-Seq 100.0%     CTATTTGGCTGTTGACAGAGTAATCAGGATACAAAC-CACAAGTATTTAA
WO          45.5%     CGATT---CTTGTGCCA-----ATTATG-TACAATTTCTTTTGTAATTGT

                  151         .         .         .         .         2 200
Visser-Seq 100.0%     TTGACTCATCCACCAGATATTATGATTTATGAATCCTCGAAAAGCCTAT-
WO          45.5%     TTGTTTCATGTTTTATTTCATTTTCTTTACTTTTTAGGGTAAAACCAATG

                  201         .         .         .         .         : 250
Visser-Seq 100.0%     CCATTAAGTCCTCAT--CTATGGATATACTTGACAGTTTCTTCCTA-TTT
WO          45.5%     CCCCCAATTCATTCTACCTAAGAGGAAA-TT--CAGTTTTATACTAGTTT

                  251         .         .         .         .         3 300
Visser-Seq 100.0%     GGGTTTTTTTTTTTCCTGCCAAGTGGAACGGAGACATGTTATGTTGTATA
WO          45.5%     CAGTTTTATTATTGTTTATTAAGTGT----------TTTTAGTTGGTTTT

                  301         .         .         .         .         : 350
Visser-Seq 100.0%     CGGGAATCTCGTTAAAAAAAAAAATACAATAGGAAGAAATGTAACAAACA
WO          45.5%     CTCATTTATGTGTATGCATGAATAT----TAGG--GGTGTGTG-------

                  351         .         .         .         .         4 400
Visser-Seq 100.0%     TTGAATGTTGTTTTTAACCATCCTTCCTTTTAGCAGTGTATCAATTTT--
WO          45.5%     -TGCGTGT-GTTAATATACA-CATAAGTATTA----TACACCCATTTTTG

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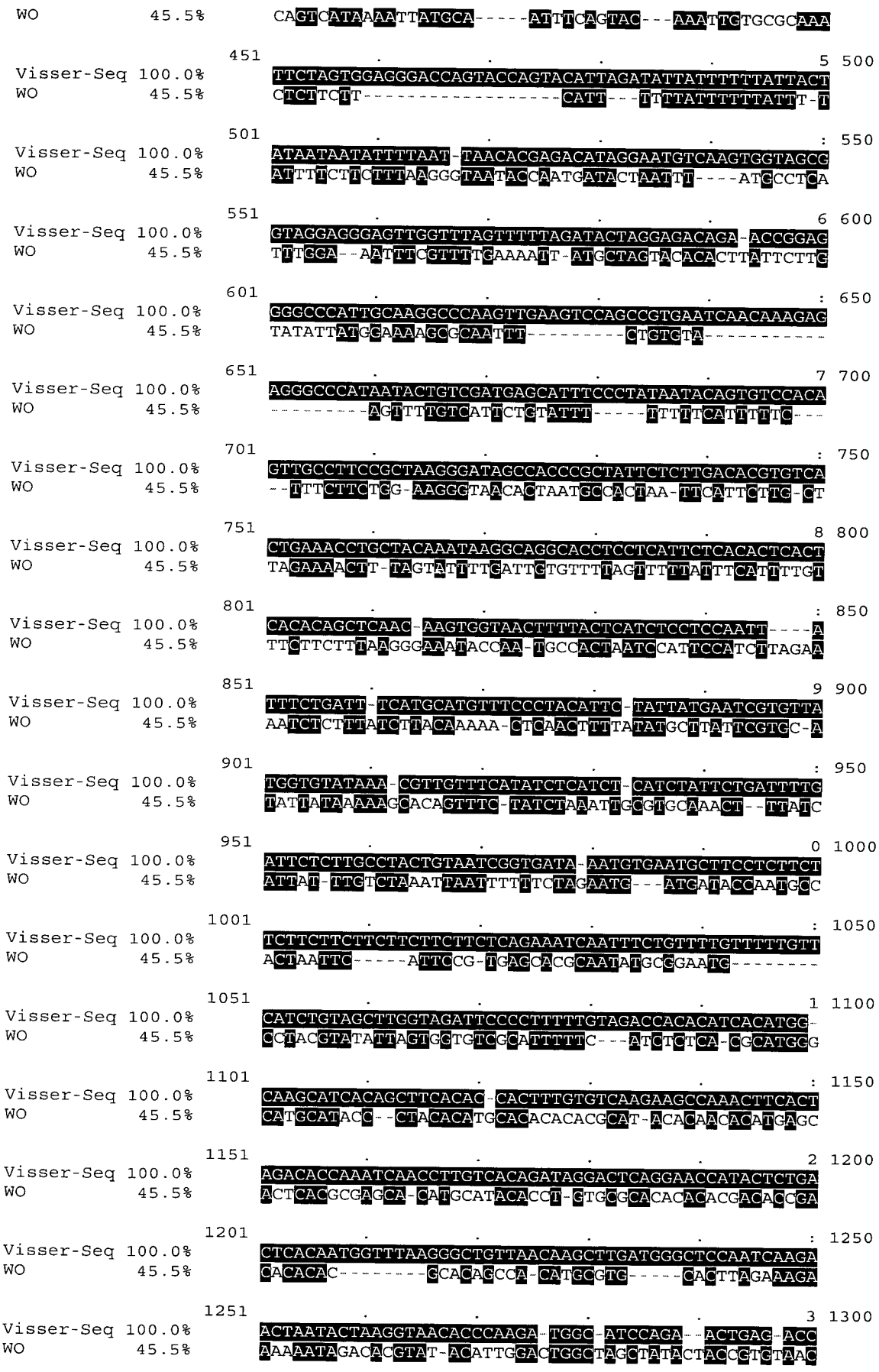
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451 . . . . 5 500
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WO 45.5% CTCTTCTT----------CATT---TTTTATTTTTTATTT-T
501 . . . . : 550
Visser-Seq 100.0% ATAATAATATTTTAAT-TAACACGAGACATAGGAATGTCAAGTGGTAGCG
WO 45.5% ATTTTCTTCTTTAAGGGTAATACCAATGATACTAATTT----ATGCCTCA
551 . . . . 6 600
Visser-Seq 100.0% GTAGGAGGGAGTTGGTTTAGTTTTTAGATACTAGGAGACAGA-ACCGGAG
WO 45.5% TTTGGA--AATTTCGTTTTGAAAATT-ATGCTAGTACACACTTATTCTTG
601 . . . . : 650
Visser-Seq 100.0% GGGCCCATTGCAAGGCCCAAGTTGAAGTCCAGCCGTGAATCAACAAAGAG
WO 45.5% TATATTATGGAAAAGCGCAATTT---------CTGTGTA----------
651 . . . . 7 700
Visser-Seq 100.0% AGGGCCCATAATACTGTCGATGAGCATTTCCCTATAATACAGTGTCCACA
WO 45.5% ----------AGTTTTGTCATTCTGTATTT-----TTTTTCATTTTTC---
701 . . . . : 750
Visser-Seq 100.0% GTTGCCTTCCGCTAAGGGATAGCCACCCGCTATTCTCTTGACACGTGTCA
WO 45.5% --TTTCTTCTGG-AAGGGTAACACTAATGCCACTAA-TTCATTCTTG-CT
751 . . . . 8 800
Visser-Seq 100.0% CTGAAACCTGCTACAAATAAGGCAGGCACCTCCTCATTCTCACACTCACT
WO 45.5% TAGAAAACTT-TAGTATTTTCATTGTGTTTTAGTTTTTATTTCATTTTGT
801 . . . . : 850
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WO 45.5% TTCTTCTTTAAGGGAAATACCAA-TGCCACTAATCCATTCCATCTTAGAA
851 . . . . 9 900
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WO 45.5% AATCTCTTTATCTTACAAAAA-CTCAACTTTTATATGCTTATTCGTGC-A
901 . . . . : 950
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WO 45.5% TATTATAAAAAGCACAGTTTC-TATCTAAATTGCGTGCAAACT--TTATC
951 . . . . 0 1000
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WO 45.5% ATTAT-TTGTCTAAATTAATTTTTCTAGAATG---ATGATACCAATGCC
1001 . . . . : 1050
Visser-Seq 100.0% TCTTCTTCTTCTTCTTCTCAGAAATCAATTTCTGTTTTGTTTTTGTT
WO 45.5% ACTAATTC-----ATTCCG-TGAGCACGCAATATGCGGAATG--------
1051 . . . . 1 1100
Visser-Seq 100.0% CATCTGTAGCTTGGTAGATTCCCCTTTTTGTAGACCACACATCACATGG-
WO 45.5% CCTACGTATATTAGTGGTGTGGCATTTTTC---ATCTCTCA-CGCATGGG
1101 . . . . : 1150
Visser-Seq 100.0% CAAGCATCACAGCTTCACAC-CACTTTGTGTCAAGAAGCCAAACTTCACT
WO 45.5% CATGCATACC--CTACACATGCACACACACGCAT-ACACAACACATGAGC
1151 . . . . 2 1200
Visser-Seq 100.0% AGACACCAAATCAACCTTGTCACAGATAGGACTCAGGAACCATACTCTGA
WO 45.5% ACTCACGCGAGCA-CATGCATACACCT-GTGCGCACACACACGAGACCGA
1201 . . . . : 1250
Visser-Seq 100.0% CTCACAATGGTTTAAGGGCTGTTAACAAGCTTGATGGGCTCCAATCAAGA
WO 45.5% CACACAC---------GCACAGCCA-CATGCGTG-----CACTTAGAAAGA
1251 . . . . 3 1300
Visser-Seq 100.0% ACTAATACTAAGGTAACACCCAAGA-TGGC-ATCCAGA--ACTGAG-ACC
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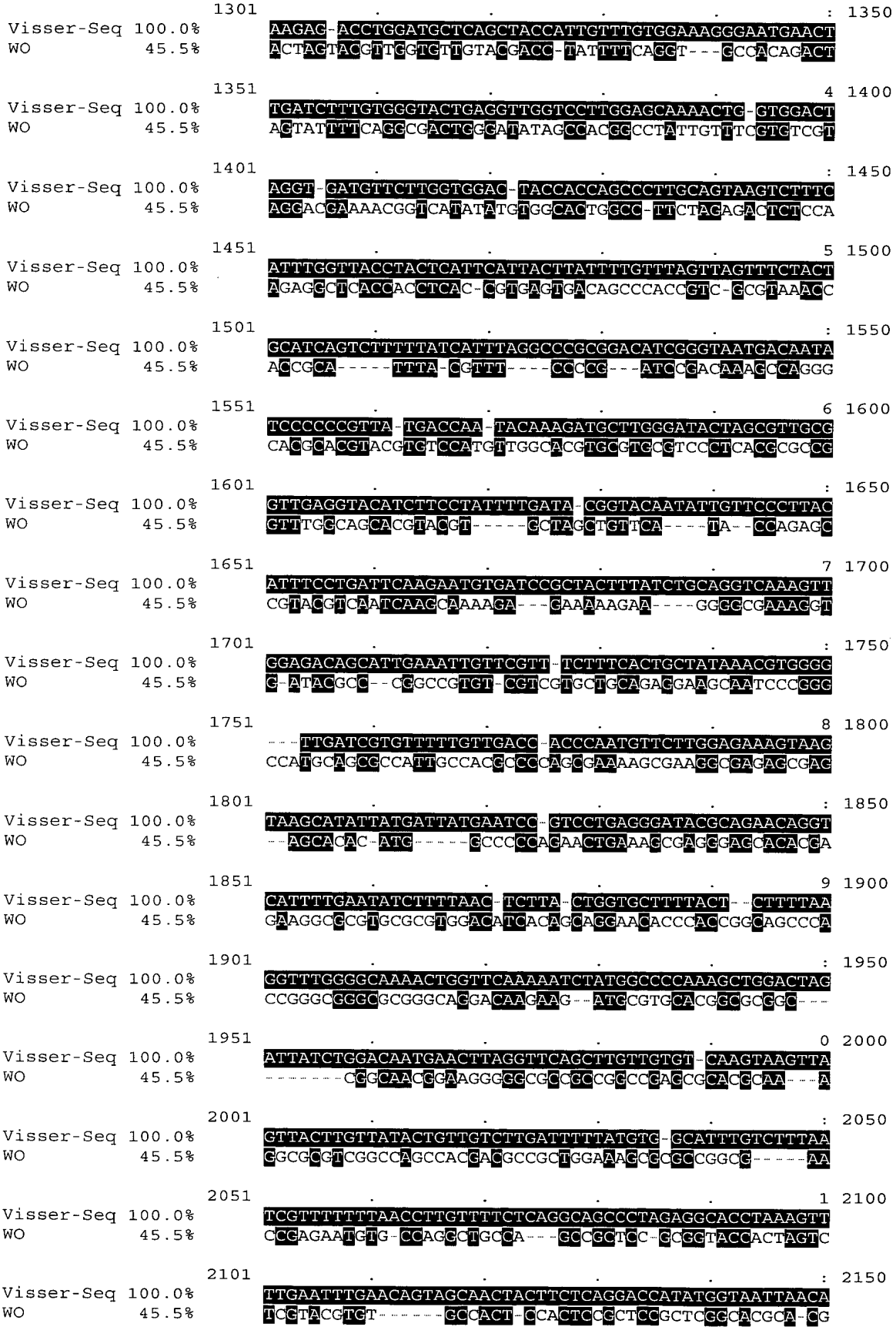
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1351 . . . . 4 1400
Visser-Seq 100.0% TGATCTTTGTGGGTACTGAGGTTGGTCCTTGGAGCAAAACTG-GTGGACT
WO 45.5% AGTATTTTCAGGCGACTGGGATATAGCCACGCCTATTGTTTCGTGTCGT
1401 . . . . : 1450
Visser-Seq 100.0% AGGT-GATGTTCTTGGTGGAC-TACCACCAGCCCTTGCAGTAAGTCTTTC
WO 45.5% AGGACGAAAACGGTCATATATGTGGCACTGGCC-TTCTAGAGACTCTCCA
1451 . . . . 5 1500
Visser-Seq 100.0% ATTTGGTTACCTACTCATTCATTACTTATTTTGTTTAGTTAGTTTCTACT
WO 45.5% AGAGGCTCACCACCTCAC-CGTGAGTGACAGCCCACCGTC-GCGTAAACC
1501 . . . . : 1550
Visser-Seq 100.0% GCATCAGTCTTTTTATCATTTAGGCCCGCGGACATCGGGTAATGACAATA
WO 45.5% ACCGCA-----TTTA-CGTTT----CCCCG---ATCCGACAAAGCCAGGG
1551 . . . . 6 1600
Visser-Seq 100.0% TCCCCCCCGTTA-TGACCAA-TACAAAGATGCTTGGGATACTAGCGTTGCG
WO 45.5% CACGCACGTACGTGTCCATGTTGGCACGTGGGTGCGTCCCTCACGCGCCG
1601 . . . . : 1650
Visser-Seq 100.0% GTTGAGGTACATCTTCCTATTTTGATA-CGGTACAATATTGTTCCCTTAC
WO 45.5% GTTTGGCAGCACGTACGT-----GCTAGCTGTTCA----TA--CCAGAGC
1651 . . . . 7 1700
Visser-Seq 100.0% ATTTCCTGATTCAAGAATGTGATCCGCTACTTTATCTGCAGGTCAAAGTT
WO 45.5% CGTACGTCAATCAAGCAAAAGA---GAAAAAGAA----GGGGCGAAAGGT
1701 . . . . : 1750
Visser-Seq 100.0% GGAGACAGCATTGAAATTGTTCGTT-TCTTTCACTGCTATAAACGTGGGG
WO 45.5% G-ATACGCC--CGGCCGTGT-CGTCGTGCTGCAGAGGAAGCAATCCCGGG
1751 . . . . 8 1800
Visser-Seq 100.0% ---TTGATCGTGTTTTTGTTGACC-ACCCAATGTTCTTGGAGAAAGTAAG
WO 45.5% CCATGCAGCGCCATTGCCACGCCCCAGCGAAAAGCGAAGGCGAGAGCGAG
1801 . . . . : 1850
Visser-Seq 100.0% TAAGCATATTATGATTATGAATCC-GTCCTGAGGGATACGCAGAACAGGT
WO 45.5% --AGCACAC-ATG-----GCCCCCAGAACTGAAAGCGAGGGAGCACACGA
1851 . . . . 9 1900
Visser-Seq 100.0% CATTTTGAATATCTTTTAAC-TCTTA-CTGGTGCTTTTACT--CTTTTAA
WO 45.5% GAAGGCGCGTGCGCGTGGACATCACAGCAGGAACACCCACCGGCAGCCCA
1901 . . . . : 1950
Visser-Seq 100.0% GGTTTGGGGCAAAACTGGTTCAAAAATCTATGGCCCCAAAGCTGGACTAG
WO 45.5% CCGGGCGGGCGCGGGCACGACAAGAAG--ATGCGTGCACGGCGCGGC---
1951 . . . . 0 2000
Visser-Seq 100.0% ATTATCTGGACAATGAACTTAGGTTCAGCTTGTTGTGT-CAAGTAAGTTA
WO 45.5% --------CGGCAACGGAAGGGGGCGCCGCCGGCCGAGCGCACGCAA---A
2001 . . . . : 2050
Visser-Seq 100.0% GTTACTTGTTATACTGTTGTCTTGATTTTTATGTG-GCATTTGTCTTTAA
WO 45.5% GGCGCGTCGGCCAGCCACGACGCCGCTGGAAAGCGCGGCCGGCG------AA
2051 . . . . 1 2100
Visser-Seq 100.0% TCGTTTTTTTAACCTTGTTTTCTCAGGCAGCCCTAGAGGCACCTAAAGTT
WO 45.5% CCGAGAATGTG-CCAGGCTGCCA---GCCGCTCC-GCGGTACCACTAGTC
2101 . . . . : 2150
Visser-Seq 100.0% TTGAATTTGAACAGTAGCAACTACTTCTCAGGACCATATGGTAATTAACA
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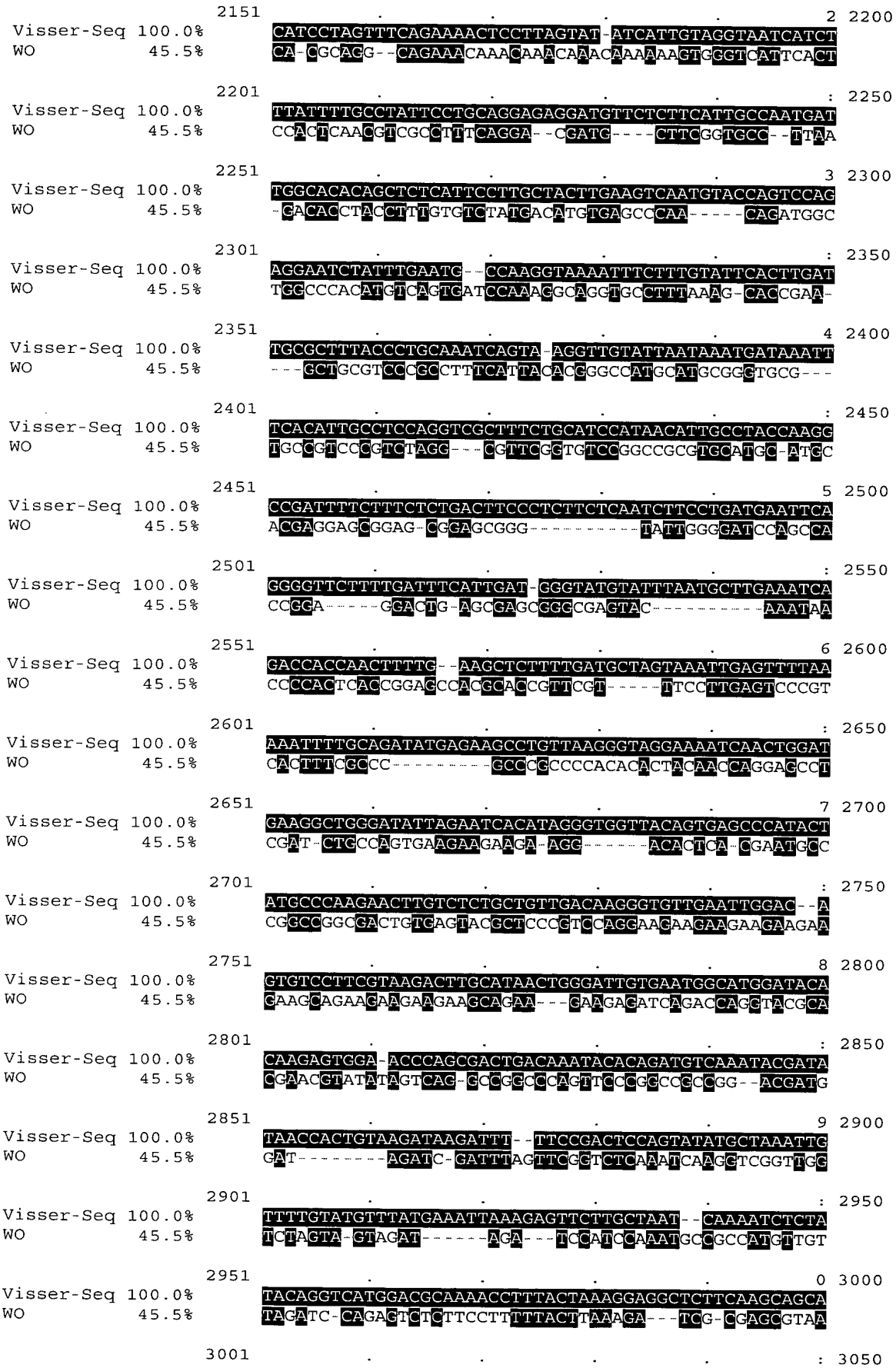
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2201 2250
Visser-Seq 100.0%
WO 45.5%
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2251 2300
Visser-Seq 100.0%
WO 45.5%
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2301 2350
Visser-Seq 100.0%
WO 45.5%
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2351 2400
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WO 45.5%
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---GCTGCGTCCCGCCTTTCATTACACGGGCCATGCATGCGGGTGCG---
2401 2450
Visser-Seq 100.0%
WO 45.5%
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2451 2500
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WO 45.5%
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2501 2550
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WO 45.5%
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2601 2650
Visser-Seq 100.0%
WO 45.5%
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CACTTTCGCCC---------GCCCGCCCCACACACTACAACCAGGAGCCT
2651 2700
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WO 45.5%
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2701 2750
Visser-Seq 100.0%
WO 45.5%
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2751 2800
Visser-Seq 100.0%
WO 45.5%
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2801 2850
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WO 45.5%
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2851 2900
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WO 45.5%
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2901 2950
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WO 45.5%
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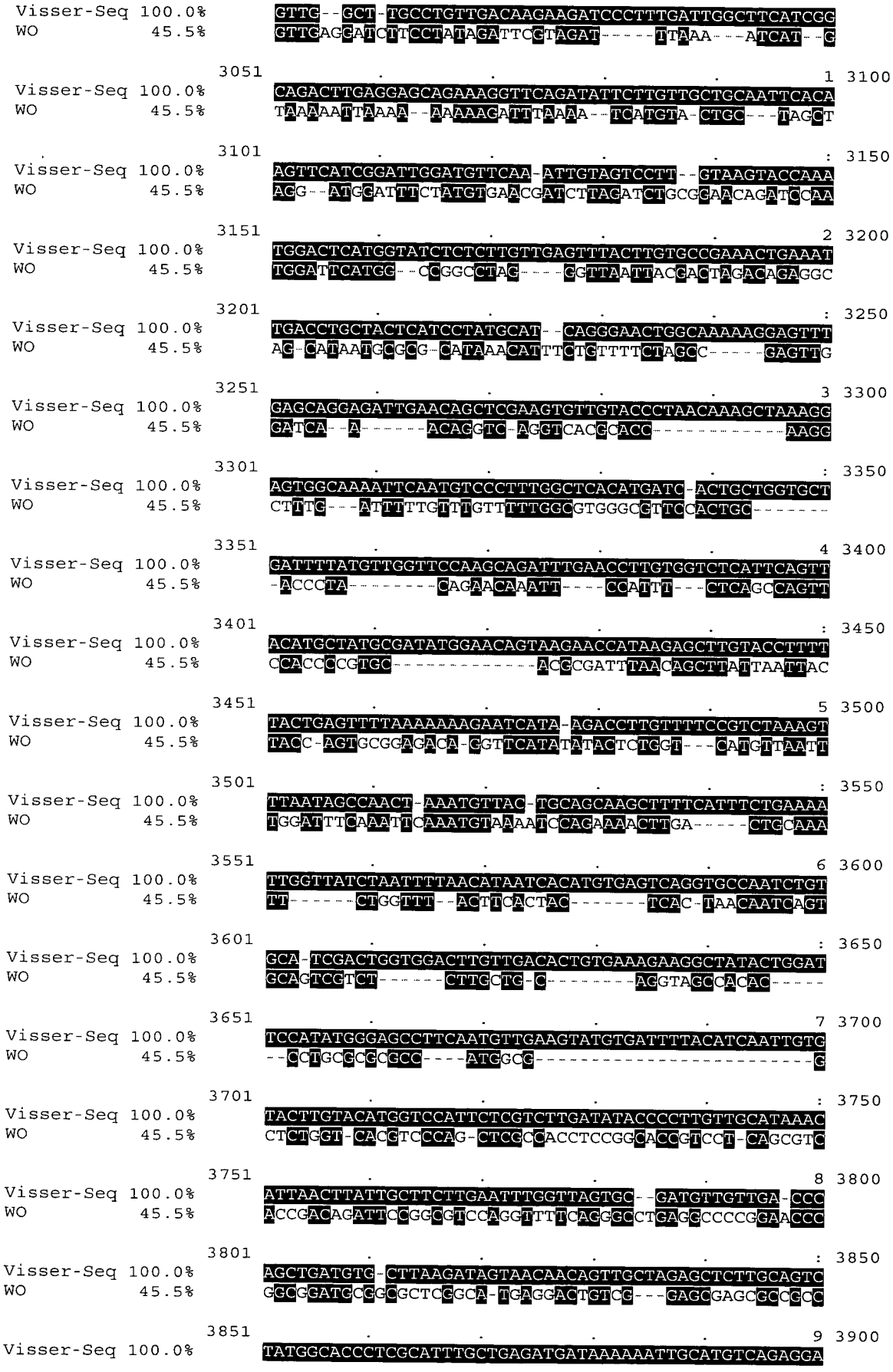
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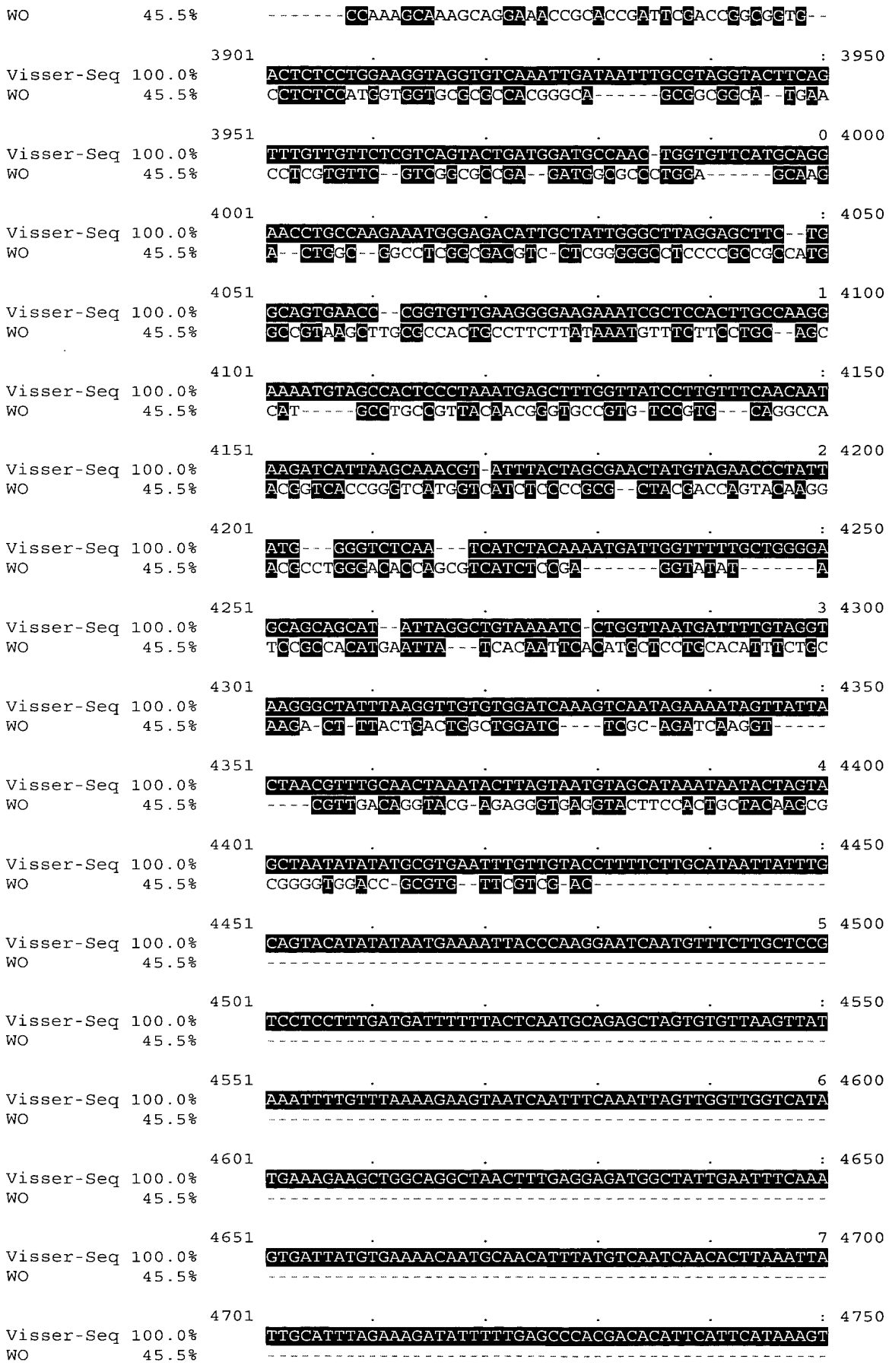
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WO 45.5%
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WO 45.5%

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Visser-Seq 100.0%       AAGGTAG
WO          45.5%       -------
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